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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 7650
Disciplina	006.3
Soggetti	Artificial intelligence Database management Data mining Information storage and retrieval Software engineering Natural language processing (Computer science) Artificial Intelligence Database Management Data Mining and Knowledge Discovery Information Storage and Retrieval Software Engineering Natural Language Processing (NLP)
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di contenuto	Research Track -- MORE: Modular Combination of OWL Reasoners for Ontology Classification -- A Formal Semantics for Weighted Ontology -- Personalised Graph-Based Selection of Web APIs -- Instance-Based Matching of Large Ontologies Using Locality-Sensitive Hashing -- Automatic Typing of DBpedia Entities -- Performance Heterogeneity and Approximate Reasoning in Description Logic Ontologies --

Concept-Based Semantic Difference in Expressive Description Logics --
SPLODGE: Systematic Generation of SPARQL Benchmark Queries for
Linked Open Data -- RDFS Reasoning on Massively Parallel Hardware --
An Efficient Bit Vector Approach to Semantics-Based Machine
Perception in Resource-Constrained Devices -- Semantic Enrichment by
Non-experts: Usability of Manual Annotation Tools -- Ontology-Based
Access to Probabilistic Data with OWL QL -- Predicting Reasoning
Performance Using Ontology Metrics.-Formal Verification of Data
Provenance Records -- Cost Based Query Ordering over OWL
Ontologies -- Robust Runtime Optimization and Skew-Resistant
Execution of Analytical SPARQL Queries on Pig -- Large-Scale Learning
of Relation-Extraction Rules with Distant Supervision from the Web --
The Not-So-Easy Task of Computing Class Subsumptions in OWL RL --
Strabon: A Semantic Geospatial DBMS -- DeFacto - Deep Fact
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Minkowski Measures -- Hitting the Sweetspot: Economic Rewriting of
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-- Discovering Concept Coverings in Ontologies of Linked Data Sources
-- Ontology Constraints in Incomplete and Complete Data -- A
Machine Learning Approach for Instance Matching Based on Similarity
Metrics -- Who Will Follow Whom? Exploiting Semantics for Link
Prediction in Attention-Information Networks -- On the Diversity and
Availability of Temporal Information in Linked Open Data -- Semantic
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Based Verification Approach to Extract Entities and Relations for
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-- Provenance for SPARQL Queries -- SRBench: A Streaming
RDF/SPARQL Benchmark -- Scalable Geo-thematic Query Answering --
In-Use Track -- Managing the Life-Cycle of Linked Data with the LOD2
Stack -- Achieving Interoperability through Semantics-Based
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ourSpaces – Design and Deployment of a Semantic Virtual Research
Environment -- Embedded EL+ Reasoning on Programmable Logic
Controllers -- Experiences with Modeling Composite Phenotypes in the
SKELETOME Project -- Toward an Ecosystem of LOD in the Field: LOD
Content Generation and Its Consuming Service -- Applying Semantic
Web Technologies for Diagnosing Road Traffic Congestions -- deqa:
Deep Web Extraction for Question Answering -- QuerioCity: A Linked
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Similarity-Driven Decision Support in the Skeletal Dysplasia Domain --
Using SPARQL to Query BioPortal Ontologies and Metadata -- Trentino
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Reasoning in Context-Aware Assistive Environments to Support Ageing
with Dementia -- Query Driven Hypothesis Generation for Answering
Queries over NLP Graphs -- A Comparison of Hard Filters and Soft
Evidence for Answer Typing in Watson -- Incorporating Semantic
Knowledge into Dynamic Data Processing for Smart Power Grids --
Evaluations and Experiments Track -- Evaluating Semantic Search
Query Approaches with Expert and Casual Users -- Extracting
Justifications from BioPortal Ontologies -- Linked Stream Data

Processing Engines: Facts and Figures -- Benchmarking Federated SPARQL Query Engines: Are Existing Testbeds Enough? -- Tag Recommendation for Large-Scale Ontology-Based Information Systems -- Evaluation of Techniques for Inconsistency Handling in OWL 2 QL Ontologies -- Evaluating Entity Summarization Using a Game-Based Ground Truth -- Evaluation of a Layered Approach to Question Answering over Linked Data -- Doctoral Consortium – Long Papers -- Cross Lingual Semantic Search by Improving Semantic Similarity and Relatedness Measures -- Quality Reasoning in the Semantic Web -- Burst the Filter Bubble: Using Semantic Web to Enable Serendipity -- Reconstructing Provenance -- Very Large Scale OWL Reasoning through Distributed Computation -- Replication for Linked Data -- Scalable and Domain-Independent Entity Coreference: Establishing High Quality Data Linkages across Heterogeneous Data Sources -- Doctoral Consortium – Short Papers -- Distributed Reasoning on Semantic Data Streams -- Reusing XML Schemas' Information as a Foundation for Designing Domain Ontologies -- A Multi-domain Framework for Community Building Based on Data Tagging -- Towards a Theoretical Foundation for the Harmonization of Linked Data -- Knowledge Pattern Extraction and Their Usage in Exploratory Search -- SPARQL Update for Complex Event Processing -- Online Unsupervised Coreference Resolution for Semi-structured Heterogeneous Data -- Composition of Linked Data-Based RESTful Services.

Sommario/riassunto

The two-volume set LNCS 7649 + 7650 constitutes the refereed proceedings of the 11th International Semantic Web Conference, ISWC 2012, held in Boston, MA, USA, in November 2012. The International Semantic Web Conference is the premier forum for Semantic Web research, where cutting edge scientific results and technological innovations are presented, where problems and solutions are discussed, and where the future of this vision is being developed. It brings together specialists in fields such as artificial intelligence, databases, social networks, distributed computing, Web engineering, information systems, human-computer interaction, natural language processing, and the social sciences. Volume 1 contains a total of 41 papers which were presented in the research track. They were carefully reviewed and selected from 186 submissions. Volume 2 contains 17 papers from the in-use track which were accepted from 77 submissions. In addition, it presents 8 contributions to the evaluations and experiments track and 7 long papers and 8 short papers of the doctoral consortium.
